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657 During 1960 the Public Health Service initiated a program to provide domestic water and improved sanitation facilities in Papago villages where local arrangements could be worked out, and where water could be supplied from existing wells or developed at reasonable cost.

Under this program, local Indians provide necessary labor for the installation, purchase purely personal items of equipment, and establish a system for local maintenance of the water lines and tanks. The Public Health Service provides the equipment and pipe for a water distribution system, including a water line to each home.

The current program will continue until all villages that meet the necessary requirements have been supplied with water distribution systems and sanitary facilities.

At the end of June, 1963, the following village water projects had been completed: Quijotoa, Kaka, Hotason Vo, Havasa Nakya, Sil Nakya, and Schuchuli. In the case of the latter two only well improvement was programmed. Work is in progress in the following villages: Topawa, Pisinimo, Ali Chuk, Gu Vo, and Viopuli, and work is expected to start in the near future in Santa Rosa, Cowlic, Anegam, and Gu Komelik.

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491 Public Utilities and Transportation. Good roads, power lines, and telephones are usually found side by side on the reservation, reaching, of course, the principal centers of population. Roughly speaking, this involves the arc

from the eastern border of the reservation near Three Points, through Sells, Quijotoa, and Santa Rosa to Chuichu with a branch running south from Sells to San Miguel and a second branch running west from Quijotoa to Ajo. The neglected areas, and the areas of smallest population, are in the east central (Schuk Toak District) and in the northwest and southwest sections of the main reservation (See map 4).

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Roads. A paved state highway (86) crosses the central section of the reservation, connecting Tucson and Ajo. Reservation villages served by this highway are: Navana Nakya, Ali Chukson, Sells, Quijotoa and Wahak Hotonok (San Simon). A paved county highway connects the observatory on Kitt Peak with Highway 86 about 10 miles inside the eastern boundry of the reservation. Another paved highway, built and maintained by the Bureau of Indian Affairs, connects with Highway 86 at Quijotoa and runs north to the reservation line near Chuichu. Here it connects with a paved highway into the town of Casa Grande on State Highway 84. This road serves the villages of Santa Rosa, Anegam, Gu Komelik and Chuichu.

Except for the paved roads mentioned above the only standard all-weather road on the reservation is from Sells to San Miguel, a distance of about 25 miles. Five additional miles of standard roads are found in the loop connecting Gu Achi with the Quijotoa highway and in the irrigated district at Chuichu. San Xavier is served by a paved highway which

491 connects with Mission Road on the west and by a graveled highway which connects with the Nogales Highway on the east.

The Bureau of Indian Affairs classifies other roads on the reservation as (1) standard, graded, unsurfaced (79.6 miles), (2) sub-standard, graded, unsurfaced (10.7 miles), and (3) not graded, not surfaced (335.6 miles).

The graded, unsurfaced roads are as follows:

1. About four miles north of the Selle-Tucson highway toward Schuchk (Santa Rosa Ranch). (BIA P-13)

2. From the Selle-Ajo highway to Pisinimo. (BIA S-5)

3. West of the Quijotoa-Chuichu highway near Santa Rosa to Ventana, Vaya Chin, Hickiwan and south to the Selle-Ajo Highway. (BIA P-6 and P-1)

4. South of the Selle-Ajo highway from Schuchuli to Gu Vo. (BIA P-1)

5. Some sections of otherwise ungraded roads.

● 206 Telephones. Nineteen villages and communities on the main reservation and San Xavier, near Tucson, are connected by telephone with each other and with the surrounding non-Indian country, through a system operated by the Mountain States Telephone and Telegraph Company. These are: Kitt Peak, Schuchk (Santa Rosa Ranch), Havana Nakya, Ali Chukson, Selle, Topawa, Fresnal Canyon, Vamori, Choulic, San Miguel, Quijotoa, Santa Rosa, Anegam, Gu Komelik, Ventana, Vaya Chin, Wahak Hotonok (San Simon), Gu Vo, Chuichu, and San Xavier.

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[4.34-A1]

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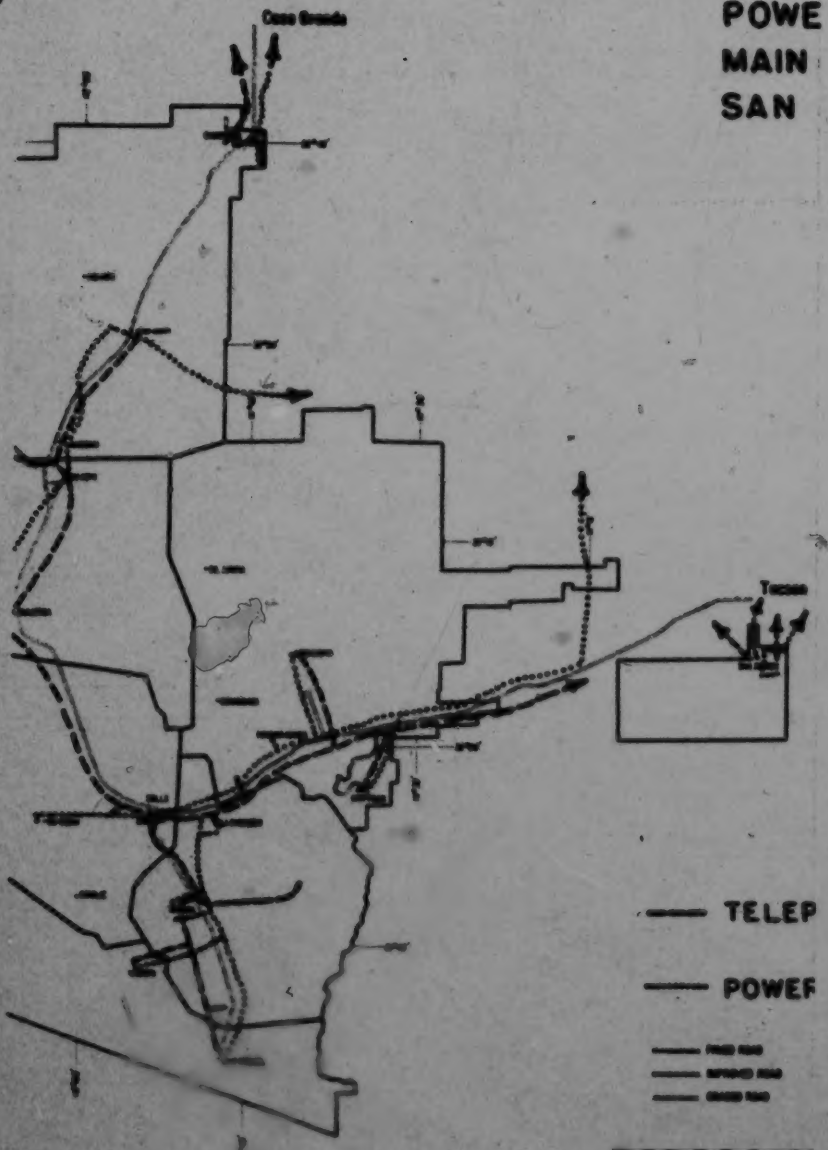

PAPAGO II

[E-34-A2]

18: Kelly E-4, 5 (no date) 1963 NU28 Papago NU28

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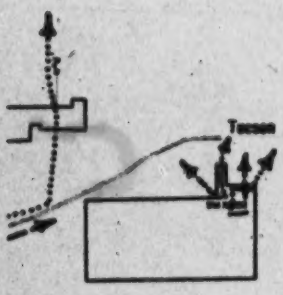
MAP 4

POWER & TELEPHONE LINES MAIN PAPAGO RESERVATION & SAN XAVIER



TELEPHONE LINES

POWER LINES

PAPAGO INDIAN RESERVATION

1963

[4.34-A3]

Some telephone lines not taken over by the Mountain States company are maintained by the Bureau of Indian Affairs and some, formerly operated by the Bureau of Indian Affairs, have been abandoned. The BIA lines run from Choulic to San Miguel, the Ajo highway to Pisinimo, and a branch line to Ventana. Service lines from the Ajo highway to Hotason Vo (Charco 27) and Hichiwan, from Gu Vo to Pia Oik, and from Gu Komelik to Chuichu have been abandoned. Chuichu is now served through the Casa Grande exchange. 206

Power Lines. Both the Tucson Gas, Electric Light and Power Company and Trico Electric Cooperative serve the San Xavier Reservation. On the main reservation, Trico lines carry power to Schuchk, (Santa Rosa Ranch), Havana Nakya, Ali Chukson, Selle, Gu Oidak, Topawa, Vamori, Supi Oidak, Choulic, San Miguel, Quijotoa, Santa Rosa, Anegam, Gu Komelik, and Lake Shore Mine. Chuichu is served by San Carlos Power and Kitt Peak is served by its own line which connects with the Trico line on the Tucson-Selle highway. 365

Radio. There are two base stations for radio communication on the main reservation. One is operated by the Bureau of Indian Affairs administration office and the other by the BIA-Tribal law and order office. The latter, with six mobile units, operates on the same frequency as the Pima County Sheriff's Office radio system. The Indian Service administration system is a network of three remote stations in Selle and nineteen mobile units. In addition, there is a fixed monitor station at Santa Rosa. 207